

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	cyclohexane oxidation acetic adj acid catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:18
S2	1	cyclohexane oxidation catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:18
S3	13958	cyclohexane oxidation catalyst acetic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:19
S4	279	cyclohexane near oxidation catalyst acetic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:19
S5	98	cyclohexane near oxidation catalyst acetic adj acid extraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:26
S6	2	cyclohexane near oxidation catalyst acetic adj acid extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:31
S7	260	cyclohexane near oxidation catalyst acetic adj acid water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:32
S8	3	cyclohexane near oxidation catalyst acetic adj acid extract near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:32
S9	0	cyclohexane near oxidation catalyst hexanoic adj acid extract near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:40
S10	0	cyclohexane near oxidation catalyst heptanoic adj acid extract near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:41

S11	0	cyclohexane near oxidation catalyst octanoic adj acid extract near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:41
S12	0	cyclohexane near oxidation catalyst lipophilic extract near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:42
S13	12	cyclohexane near oxidation catalyst lipophilic	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:42
S14	24	cyclohexane near oxidation catalyst hexanoic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:44
S15	10	hexanoic adj acid near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:47
S16	1030	counter current extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:48
S17	780	counter adj current extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:48
S18	321	counter adj current extraction adj column liquid adj liquid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:49
S19	0	counter adj current adj flow adj liquid adj liquid adj extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:55
S20	9	counter adj current adj flow liquid adj liquid adj extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:55
S21	89	counter adj current adj extraction adj column	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/21 16:57
S22	47	"2565087"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 10:10

S23	4	"5981796"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 11:42
S24	1	"6231821"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 12:38
S25	0	diacid adj extraction near water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 12:48
S26	4	diacid adj extraction water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 12:48
S27	82	carboxylic adj acids adj extraction water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 12:49
S28	28	carboxylic adj acids adj extraction water near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 12:58
S29	59015	aqueous adj phase organic adj phase	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:04
S30	0	aqueous adj phase organic adj phase carboxylic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:05
S31	17176	aqueous adj phase organic adj phase cyclohexane	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:05
S32	12241	aqueous adj phase organic adj phase cyclohexane catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:05
S33	11979	aqueous adj phase organic adj phase cyclohexane catalyst water solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:06
S34	3028	aqueous adj phase organic adj phase cyclohexane catalyst water near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:06

S35	1509	aqueous adj phase organic adj phase cyclohexane catalyst water near solvent extraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 13:09
S36	2	"3969465"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 16:58
S37	18	counter adj current adj extraction adj column cyclohexane	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 17:47
S38	21	cyclohexane adj purification	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/25 18:16
S39	15	octanoic adj acid near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/26 12:26
S40	15	octanoic adj acid near solvent solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/08/26 12:30
S41	59	"4032569"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 11:09
S42	3	"3988116"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 11:40
S43	3	"3996140"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 12:10
S44	10	"4954260"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 12:18
S45	1238	bonnet and hydrocarbon	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:06

S46	838	bonnet and hydrocarbon and acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:06
S47	221	bonnet and hydrocarbon and acid oxidiz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:06
S48	165	bonnet and hydrocarbon and acid oxidiz\$6 solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:06
S49	132	bonnet and hydrocarbon and acid oxidiz\$6 solvent extract \$7	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:06
S50	132	bonnet and hydrocarbon and acid oxidiz\$6 solvent extract \$7 (method or process)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:07
S51	1	"7253312"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:07
S52	2	"7507856"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:08
S53	0	"11922333"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/12 15:09
S54	51	"5321157"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/05/13 12:32
S55	1	"20060094900"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:02
S56	0	"20060094900" residue	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:02

S57	1563	dicarboxylic near acid same extraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:19
S58	20	dicarboxylic near acid same extraction (two or double) near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:19
S59	3484	extraction (two or double) near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:26
S60	1440	extraction (two or double) near solvent same water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:26
S61	461	extraction same (two or double) near solvent same water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:27
S62	3	"4402796"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:29
S63	23	double near solvent liquid-liquid extraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 19:31
S64	0	double near solvent liquid-liquid extraction immisible	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 20:11
S65	0	double near solvent liquid same liquid extraction immisible	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 20:11
S66	39	double near solvent liquid same liquid extraction immiscible	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 20:11
S67	21	double near solvent liquid same liquid extraction immiscible polar	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 20:15
S68	33	double near solvent liquid same liquid extraction immiscible water	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/11/24 20:15

S69	3	"4965201"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:12
S70	38	"5136055"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:16
S71	1	"6737546"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:18
S72	129	(double or dual) near solvent near (process or extraction)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:25
S73	28	(double or dual) near solvent near (process or extraction) (cyclohexane or dicarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:26
S74	35	(double or dual) near solvent near (process or extraction) (cyclohexane or dicarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:26
S75	6	"6008415"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:43
S76	5	"6008415" acid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:43
S77	62	"3,987,100"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:45
S78	0	"3,987,100" extrraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:52
S79	29	"3,987,100" extraction	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:52

S80	2	"3,987,100" extraction manganese	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:52
S81	21	"5756837"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 13:56
S82	1	"4054590"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 14:07
S83	0	(dicarboxylic or adipic) near acids dual near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 14:10
S84	31	(dicarboxylic or adipic) near acids dual near solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 14:10
S85	180	dicarboxylic near acids same (separation or extraction) same (double or dual) solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 18:07
S86	6	dicarboxylic near acids same (separation or extraction) near (double or dual) solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 18:07
S87	2	dicarboxylic near acids same (separation or extraction) near (double or dual) same solvent	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2009/12/01 18:08

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